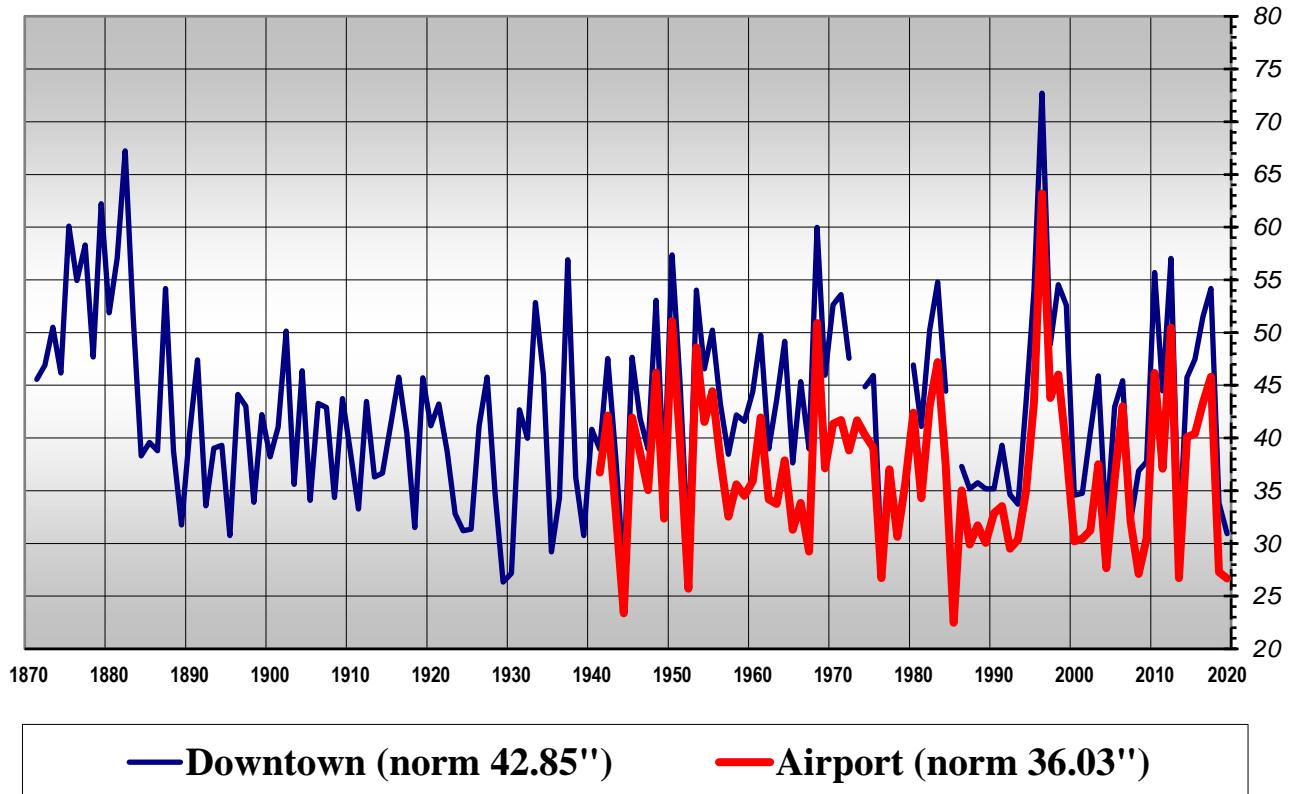


# Precipitation Data

## Annual Total Precipitation (inches)

1871-2019



—Downtown (norm 42.85") —Airport (norm 36.03")

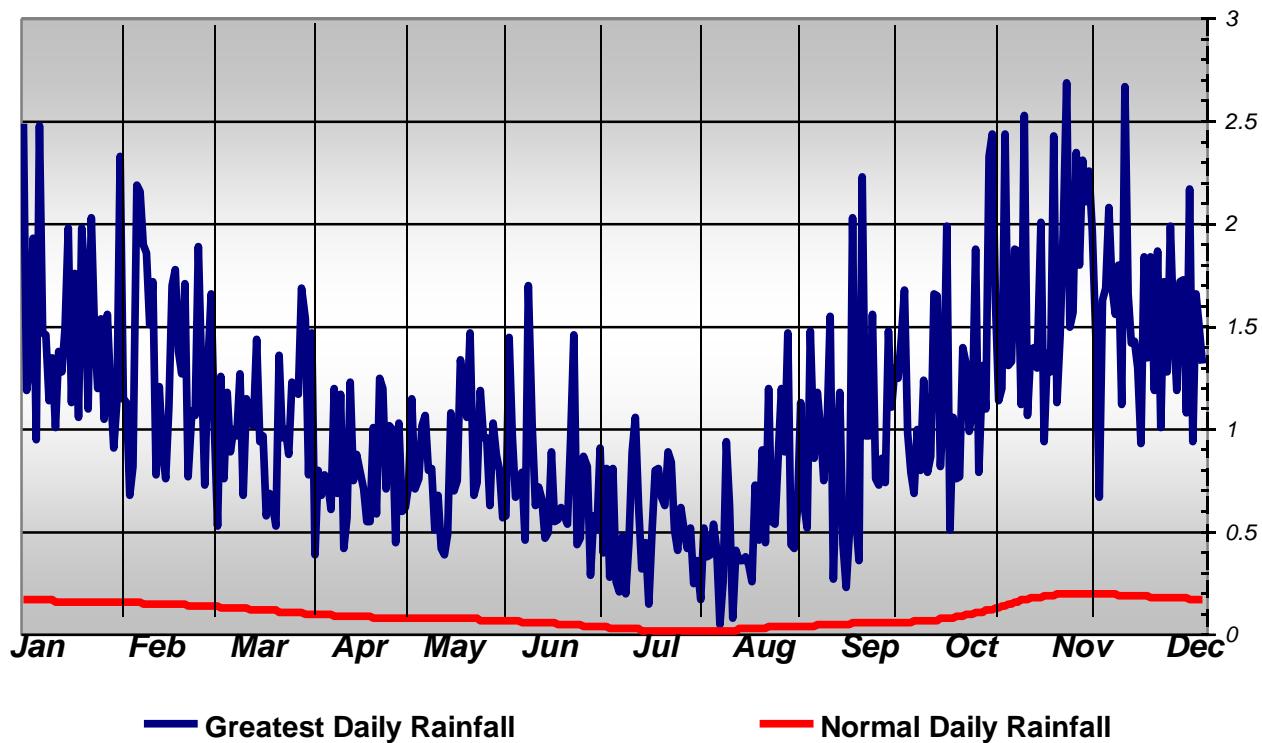
## Downtown Portland: Normals and Extremes<sup>1</sup>

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Normal	6.14	4.63	4.50	3.40	2.55	1.69	0.59	0.71	1.54	3.42	6.74	6.94	42.85
Wettest	15.22	13.36	12.76	7.88	6.60	5.38	2.94	4.25	6.85	11.63	15.77	20.14	72.71
Year	1970	1881	1873	1883	1879	1888	1983	1968	2013	1882	1875	1882	1996
Driest	0.27	0.16	0.63 <sup>2</sup>	0.50	0.13	0.03	0.00	0.00	0.00	Trace	0.36	0.88	26.34
Year	1985	1920	1911	1956	1992	1951	2017 <sup>2</sup>	2012 <sup>2</sup>	1873	1895	1936	1876	1929
Normal Snowfall	0.8	0.7	0.1	-	-	-	-	-	-	-	T	1.4	3.0
Period of Record Avg Snow	4.2	2.1	0.5	T	-	-	-	-	-	-	0.3	2.2	9.3

<sup>1</sup> Normals are the 30-year NCDC Climatic Normals (1981-2010). Extremes are from 1871 to 2019.

<sup>2</sup> March 1911 and 1885 both had 0.63". July 2017, 2013, 1984, 1967, 1926 and 1883 each recorded no rainfall.

# Airport Portland: Daily Rainfall Extremes (1940-2019) and Normals



## Airport Portland: Normals and Extremes<sup>1</sup>

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Normal	4.88	3.66	3.68	2.73	2.47	1.70	0.65	0.67	1.47	3.00	5.63	5.49	36.03
Wettest	12.83	10.36	7.89	5.26	5.55	4.27	2.68	4.53	5.62	8.41	11.92	15.24	63.20
Year	1953	2017	2012	1993	1998	2010	1983	1968	2013	1994	2006	2015	1996
Driest	0.06	0.72	1.10	0.53	0.10	0.03	0.00	Trace	Trace	0.19	0.77	1.38	22.48
Year	1985	1993	1965	1956	1992	1951	1967	2012 <sup>2</sup>	1993 <sup>3</sup>	1988	1976	1976	1985
Normal Snowfall	1.4	1.4	0.1	-	-	-	-	-	-	0.2	1.5	4.6	
Period of Record Avg Snow	2.9	1.1	0.3	0.0	-	-	-	-	-	0.3	1.4	6.0	

<sup>1</sup> Normals are the 30-year NCDC Climatic Normals (1981-2010). Extremes are from Nov 1940 to Dec 2019.

<sup>2</sup> 2012 is the last year of occurrence with Trace. Other years are 1998, 1970, 1967 and 1955.

<sup>3</sup> 1998 is the last year of occurrence with Trace. Other year was 1975.

## JANUARY: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019								Airport Portland 1941-2019											
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall							
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year	Amt	Year	Amt	Year
1	.19	.19	.19	17.29	2.11	1933	6.0	1901	.17	.17	.17	14.29	2.49	2009	1.7	2004				
2	.20	.39	.39	17.49	1.91	2009	15.0	1895	.17	.34	.34	14.46	1.19	1951	1.0	2004				
3	.20	.59	.59	17.69	2.84	1907	4.6	1952	.17	.51	.51	14.63	1.32	1966	4.1	1952				
4	.20	.79	.79	17.89	2.08	1956	4.7	1912	.17	.68	.68	14.80	1.93	1956	2.3	2009				
5	.20	.99	.99	18.09	1.68	1883	3.5	1899	.17	.85	.85	14.97	.95	1966	2.7	1952				
6	.21	1.20	1.20	18.30	5.55	1883	6.0	2004	.17	1.02	1.02	15.14	2.48	1948	4.5	2004				
7	.20	1.40	1.40	18.50	1.64	1953	3.9	1909	.17	1.19	1.19	15.31	1.47	1953	2.2	2004				
8	.21	1.61	1.61	18.71	1.55	1953	7.9	1980	.17	1.36	1.36	15.48	1.46	1953	3.3	1980				
9	.22	1.83	1.83	18.93	1.57	1980	4.5	1937	.17	1.53	1.53	15.65	1.14	1980	5.5	1980				
10	.21	2.04	2.04	19.14	2.04	1881	6.8	2017	.17	1.70	1.70	15.82	1.35	1979	6.5	2017				
11	.20	2.24	2.24	19.34	1.75	1979	5.0	2017	.17	1.87	1.87	15.99	1.01	1972	5.0	1998				
12	.21	2.45	2.45	19.55	1.63	1980	7.1	1916	.17	2.04	2.04	16.16	1.38	1975	3.5	1971				
13	.20	2.65	2.65	19.75	1.75	1872	3.7	1971	.16	2.20	2.20	16.32	1.28	1980	7.5	1950				
14	.20	2.85	2.85	19.95	1.78	1988	2.0	1971	.16	2.36	2.36	16.48	1.50	1974	3.3	1950				
15	.20	3.05	3.05	20.15	2.52	1974	7.4	1930	.16	2.52	2.52	16.64	1.98	1974	2.8	1950				
16	.20	3.25	3.25	20.35	1.63	1982	7.2	1954	.15	2.67	2.67	16.79	1.13	1982	4.9	1954				
17	.20	3.45	3.45	20.55	2.30	1997	6.0	1888	.16	2.83	2.83	16.95	1.80	2015	1.3	2012				
18	.20	3.65	3.65	20.75	4.50	1911	5.4	1933	.16	2.99	2.99	17.11	1.11	2019	2.0	1960				
19	.20	3.85	3.85	20.95	2.22	2012	9.0	1960	.15	3.14	3.14	17.26	1.98	1950	4.1	1950				
20	.20	4.05	4.05	21.15	1.83	1972	5.6	1886	.15	3.29	3.29	17.41	1.73	1972	1.5	1943				
21	.19	4.24	4.24	21.34	1.52	1919	15.5	1943	.15	3.44	3.44	17.56	1.10	1943	14.4	1943				
22	.19	4.43	4.43	21.53	2.03	1970	5.0	1890	.15	3.59	3.59	17.71	2.03	1970	0.5	1952				
23	.19	4.62	4.62	21.72	2.65	1887	7.2	1890	.14	3.73	3.73	17.85	1.48	1965	2.5	1993				
24	.20	4.82	4.82	21.92	1.73	1889	3.8	1927	.15	3.88	3.88	18.00	1.20	1964	0.7	1950				
25	.20	5.02	5.02	22.12	3.00	1920	4.6	1916	.15	4.03	4.03	18.15	1.54	1964	2.5	1954				
26	.19	5.21	5.21	22.31	1.15	1933	4.0	1969	.14	4.17	4.17	18.29	1.05	1956	9.3	1956				
27	.19	5.40	5.40	22.50	1.55	1954	8.0	1956	.15	4.32	4.32	18.44	1.56	1954	6.6	1996				
28	.19	5.59	5.59	22.69	1.79	1890	5.0	1893	.14	4.46	4.46	18.58	1.20	1990	3.4	1963				
29	.18	5.77	5.77	22.87	1.99	1890	3.2	1969	.14	4.60	4.60	18.72	.91	2006	5.1	1969				
30	.19	5.96	5.96	23.06	1.50	1997	3.5	1968	.14	4.74	4.74	18.86	1.14	1997	2.6	1950				
31	.18	6.14	6.14	23.24	2.52	2003	4.2	1932	.14	4.88	4.88	19.00	2.33	1987	2.0	1947				
	Downtown								Rain				Airport				Rain			
	Month: Normal Total <sup>1</sup>								6.14"				Normal Total <sup>1</sup>				4.88"			
	Month: Extreme Most								15.22	1970	35.3	1890	Extreme Most				12.83	1953	41.4	1950
	Month: Extreme Least								0.27	1985	0.0	2019 <sup>2</sup>	Extreme Least				0.06	1985	0.0	2019 <sup>2</sup>
	Calendar day: most Rain								5.55" on 6 Jan 1883				Calendar day: most Rain				2.49" on 1 Jan 2009			
	Calendar day: most Snow								15.5" on 21 Jan 1943				Calendar day: most Snow				14.4" on 21 Jan 1943			
													Any 24-hrs: most Rain				3.13" on 1-2 Jan 2009			
													Any 24-hrs: most Snow				14.4" on 21 Jan 1943			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed.

## FEBRUARY: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019								Airport Portland 1941-2019							
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall			
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year
1	.16	.16	6.30	23.40	2.25	1881	12.8	1937	.12	.12	5.00	19.12	1.15	1961	1.0	1985
2	.16	.32	6.46	23.56	3.81	1890	3.0	1949	.13	.25	5.13	19.25	1.13	1968	5.0	1949
3	.17	.49	6.63	23.73	1.46	1890	8.5	1893	.13	.38	5.26	19.38	.68	1952	1.1	1979
4	.17	.66	6.80	23.90	1.20	1907	3.1	1932	.13	.51	5.39	19.51	.82	1942	1.6	1950
5	.18	.84	6.98	24.08	2.49	2017	1.5	1921	.14	.65	5.53	19.65	2.19	2017	2.0	1985
6	.17	1.01	7.15	24.25	2.30	1996	3.5	2014	.14	.79	5.67	19.79	2.16	1996	3.8	2014
7	.17	1.18	7.32	24.42	2.21	1996	5.5	1899	.13	.92	5.80	19.92	1.90	1996	1.6	1985
8	.18	1.36	7.50	24.60	2.28	1996	2.0	2014	.13	1.05	5.93	20.05	1.86	1996	2.2	2014
9	.17	1.53	7.67	24.77	1.49	1949	3.1	1939	.14	1.19	6.07	20.19	1.51	1949	4.9	2019
10	.17	1.70	7.84	24.94	1.84	1961	1.5	1939	.13	1.32	6.20	20.32	1.72	1961	0.2	1949
11	.18	1.88	8.02	25.12	2.74	1879	3.5	1894	.14	1.46	6.34	20.46	.78	1954	1.5	1949
12	.17	2.05	8.19	25.29	1.40	1873	10.0	1995	.13	1.59	6.47	20.59	1.21	1954	5.2	1990
13	.16	2.21	8.35	25.45	1.16	1959	5.8	1923	.13	1.72	6.60	20.72	.90	1959	1.4	1986
14	.17	2.38	8.52	25.62	1.24	1939	5.7	1923	.13	1.85	6.73	20.85	.76	1947	2.0	1959
15	.16	2.54	8.68	25.78	1.83	1901	1.2	1990	.13	1.98	6.86	20.98	1.11	1970	2.3	1990
16	.15	2.69	8.83	25.93	1.97	2017	0.8	1894	.12	2.10	6.98	21.10	1.70	2017	0.7	1956
17	.16	2.85	8.99	26.09	2.35	1949	0.6	1891	.13	2.23	7.11	21.23	1.78	1949	2.8	1986
18	.17	3.02	9.16	26.26	1.58	1872	2.8	1949	.13	2.36	7.24	21.36	1.38	1968	4.1	1949
19	.16	3.18	9.32	26.42	1.70	1884	7.5	1993	.13	2.49	7.37	21.49	1.27	1968	6.1	1993
20	.17	3.35	9.49	26.59	2.08	1982	3.1	2018	.13	2.62	7.50	21.62	1.71	1982	4.2	2018
21	.16	3.51	9.65	26.75	1.11	1936	0.5	1887	.13	2.75	7.63	21.75	.77	1949	0.5	2018
22	.15	3.66	9.80	26.90	.96	1957	3.5	1917	.13	2.88	7.76	21.88	1.09	1957	1.7	2018
23	.16	3.82	9.96	27.06	1.45	1996	3.2	1891	.13	3.01	7.89	22.01	1.07	1950	0.6	1962
24	.16	3.98	10.12	27.22	2.10	1994	5.2	1917	.13	3.14	8.02	22.14	1.89	1994	2.0	1994
25	.16	4.14	10.28	27.38	1.53	1882	1.0	1936	.13	3.27	8.15	22.27	1.30	1957	0.3	1971
26	.17	4.31	10.45	27.55	.96	1879	1.5	1971	.13	3.40	8.28	22.40	.73	2000	0.8	1955
27	.16	4.47	10.61	27.71	2.06	1882	2.1	1971	.13	3.53	8.41	22.53	1.32	1976	0.8	1971
28	.16	4.63	10.77	27.87	2.55	2011	4.0	1962	.13	3.66	8.54	22.66	1.66	2011	3.2	1962
29	Normals for 29 <sup>th</sup> Feb are not calculated, and not part of the climatic normal data.				.62	1880	0.8	1896	Normals for 29 <sup>th</sup> Feb are not calculated, and not part of the climatic normal data.				.32	2016	T	2012
	Downtown				Rain <b>4.63"</b>		Snow <b>0.7"</b>		Airport				Rain <b>3.66"</b>		Snow <b>1.4"</b>	
	Month: Normal Total <sup>1</sup>								Month: Normal Total <sup>1</sup>							
	Month: Extreme Most				13.36	1881	20.0	1893	Month: Extreme Most				10.36	2017	13.2	1949
	Month: Extreme Least				0.16	1920	0.0	2016 <sup>2</sup>	Month: Extreme Least				0.72	1993	0.0	2016 <sup>2</sup>
	Calendar day: most Rain				3.81" on 2 Feb 1890				Calendar day: most Rain				2.19" on 5 Feb 2017			
	Calendar day: most Snow				12.8" on 1 Feb 1937				Calendar day: most Snow				6.1 on 19 Feb 1993			
									Any 24-hrs: most Rain				2.46" on 23-24 Feb 1994			
									Any 24-hrs: most Snow				6.4" on 18-19 Feb 1993			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed.

## MARCH: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019								Airport Portland 1941-2019											
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall							
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year	Amt	Year	Amt	Year
1	.18	.18	10.95	28.05	1.20	1997	1.0	1966	.14	.14	8.68	22.80	1.01	1991	0.9	1989				
2	.18	.36	11.13	28.23	1.37	1916	3.0	1989	.14	.28	8.82	22.94	.53	1991	1.1	1989				
3	.17	.53	11.30	28.40	1.40	1987	5.0	1960	.14	.42	8.96	23.08	1.26	1987	2.3	1960				
4	.17	.70	11.47	28.57	1.14	1902	1.7	1916	.13	.55	9.09	23.21	.76	1996	0.4	1951				
5	.16	.86	11.63	28.73	1.44	1996	3.8	1951	.13	.68	9.22	23.34	1.18	2014	1.8	1956				
6	.16	1.02	11.79	28.89	1.12	1876	0.5	1951	.12	.80	9.34	23.46	.89	1970	0.5	1951				
7	.15	1.17	11.94	29.04	1.16	1900	1.0	1951	.13	.93	9.47	23.59	1.00	1957	0.5	1951				
8	.15	1.32	12.09	29.19	1.18	1877	4.3	1951	.12	1.05	9.59	23.71	.97	1954	7.6	1951				
9	.15	1.47	12.24	29.34	1.55	1966	0.8	1951	.12	1.17	9.71	23.83	1.27	1983	0.8	1951				
10	.15	1.62	12.39	29.49	1.35	1879	0.4	1897	.12	1.29	9.83	23.95	.68	2011	0.8	1950				
11	.14	1.76	12.53	29.63	1.37	1903	2.0	1903	.12	1.41	9.95	24.07	1.15	2002	T	1967				
12	.14	1.90	12.67	29.77	1.21	1946	T	1955	.13	1.54	10.08	24.20	1.03	2012	T	2012				
13	.15	2.05	12.82	29.92	1.35	1877	1.0	1897	.12	1.66	10.20	24.32	1.02	1961	T	2012				
14	.15	2.20	12.97	30.07	1.17	1967	0.6	1903	.12	1.78	10.32	24.44	1.44	2015	0.8	1955				
15	.15	2.35	13.12	30.22	1.66	2015	1.5	1946	.12	1.90	10.44	24.56	.94	2015	0.6	1946				
16	.14	2.49	13.26	30.36	1.73	1921	T	1938	.13	2.03	10.57	24.69	.97	1992	0	-				
17	.15	2.64	13.41	30.51	1.13	1931	T	1938	.12	2.15	10.69	24.81	.58	1949	T	2002				
18	.14	2.78	13.55	30.65	1.08	1938	4.0	1906	.11	2.26	10.80	24.92	.69	1997	T	1952				
19	.14	2.92	13.69	30.79	.82	1966	1.0	1913	.12	2.38	10.92	25.04	.63	1997	T	1952				
20	.13	3.05	13.82	30.92	.78	1905	0.2	1897	.11	2.49	11.03	25.15	.53	1964	0	-				
21	.14	3.19	13.96	31.06	1.58	1948	1.0	2012	.11	2.60	11.14	25.26	1.36	1948	0.1	2012				
22	.13	3.32	14.09	31.19	.97	1886	0.1	1938	.11	2.71	11.25	25.37	.96	1993	0.4	2012				
23	.14	3.46	14.23	31.33	.90	1917	0.2	1916	.11	2.82	11.36	25.48	1.00	2015	T	1942				
24	.13	3.59	14.36	31.46	1.27	1879	0.8	1898	.11	2.93	11.47	25.59	.88	2007	T	1942				
25	.13	3.72	14.49	31.59	2.39	1916	0.4	1898	.11	3.04	11.58	25.70	1.23	1962	0.3	1965				
26	.13	3.85	14.62	31.72	2.25	1883	T	1956	.11	3.15	11.69	25.81	1.19	2005	T	1956				
27	.13	3.98	14.75	31.85	1.54	1934	T	1950	.11	3.26	11.80	25.92	1.17	2005	T	1999				
28	.13	4.11	14.88	31.98	1.65	1883	0.6	1938	.10	3.36	11.90	26.02	1.69	2014	0	-				
29	.13	4.24	15.01	32.11	1.72	1963	1.0	1897	.11	3.47	12.01	26.13	1.54	1983	0	-				
30	.13	4.37	15.14	32.24	1.32	1931	0.8	1896	.10	3.57	12.11	26.23	.78	1943	0	-				
31	.13	4.50	15.27	32.37	2.06	1931	1.5	1920	.11	3.68	12.22	26.34	1.47	1943	0	-				
	Downtown								Rain 4.50"				Airport				Rain 3.68"			
	Month: Normal Total <sup>1</sup>								Snow 0.1"				Month: Normal Total <sup>1</sup>				Snow 0.1"			
	Month: Extreme Most								12.76				Month: Extreme Most				7.89			
	Month: Extreme Least								0.63				0.63				1965			
	Calendar day: most Rain								2.39" on 25 Mar 1916				Calendar day: most Rain				1.69" on 28 Mar 2015			
	Calendar day: most Snow								5.0" on 3 Mar 1960				Calendar day: most Snow				7.6" on 8 Mar 1951			
													Any 24-hrs: most Rain				1.88" on 14-15 Mar 2015			
													Any 24-hrs: most Snow				7.7" on 7-8 Mar 1951			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## APRIL: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019				Airport Portland 1941-2019				
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				
	Rain		Snow		Rain		Snow		
	DY	MO	YR	WY	Amt	Year	Amt	Year	
1	.13	.13	15.40	32.50	1.36	1875	5.2	1936	
2	.12	.25	15.52	32.62	1.34	1883	T	1920	
3	.13	.38	15.65	32.75	.81	1919	0.2	1901	
4	.13	.51	15.78	32.88	.64	1991	0.1	1895	
5	.13	.64	15.91	33.01	1.12	1991	T	1901	
6	.12	.76	16.03	33.13	.70	1980	0	-	
7	.13	.89	16.16	33.26	1.23	2018	1.4	1933	
8	.12	1.01	16.28	33.38	.90	1971	T	1933	
9	.13	1.14	16.41	33.51	1.38	1971	0.1	1903	
10	.12	1.26	16.53	33.63	.67	1999	0.1	1903	
11	.12	1.38	16.65	33.75	.91	1883	T	1911	
12	.12	1.50	16.77	33.87	1.83	1937	T	1890	
13	.11	1.61	16.88	33.98	.96	1982	0	-	
14	.12	1.73	17.00	34.10	1.10	2011	0	-	
15	.12	1.85	17.12	34.22	1.04	2011	0	-	
16	.11	1.96	17.23	34.33	1.11	1886	0	-	
17	.12	2.08	17.35	34.45	1.71	1908	0	-	
18	.11	2.19	17.46	34.56	.95	1970	0	-	
19	.11	2.30	17.57	34.67	.91	1965	0	-	
20	.12	2.42	17.69	34.79	.74	1958	0	-	
21	.11	2.53	17.80	34.90	1.16	1988	0	-	
22	.10	2.63	17.90	35.00	1.10	1996	0	-	
23	.11	2.74	18.01	35.11	.93	1996	0	-	
24	.10	2.84	18.11	35.21	1.05	1892	0	-	
25	.10	2.94	18.21	35.31	.89	1967	0	-	
26	.09	3.03	18.30	35.40	1.17	1881	0	-	
27	.10	3.13	18.40	35.50	.95	1962	0	-	
28	.09	3.22	18.49	35.59	1.21	1929	0	-	
29	.09	3.31	18.58	35.68	.79	1961	0	-	
30	.09	3.40	18.67	35.77	1.10	1940	0	-	
	Downtown			Rain 3.40"		Snow 0.0"		Airport	
	Month: Normal Total <sup>1</sup>			Rain 3.40"		Snow 0.0"		Month: Normal Total <sup>1</sup>	
	Month: Extreme Most			7.88	1883	5.2	1936	Month: Extreme Most	
	Month: Extreme Least			0.50	1956	0	2019 <sup>2</sup>	Month: Extreme Least	
	Calendar day: most Rain			1.83" on 12 Apr 1937				Calendar day: most Rain	
	Calendar day: most Snow			5.2" on 1 Apr 1936				Calendar day: most Snow	

## MAY: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019				Airport Portland 1941-2019													
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall					
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year	Amt	Year
1	.08	.08	18.75	35.85	1.46	1949	0	-	.07	.07	15.02	29.14	1.15	1949	0	-		
2	.09	.17	18.84	35.94	.99	1889	0	-	.08	.15	15.10	29.22	.71	1975	0	-		
3	.08	.25	18.92	36.02	.84	1948	0	-	.08	.23	15.18	29.30	.76	2012	0	-		
4	.09	.34	19.01	36.11	1.29	1887	0	-	.08	.31	15.26	29.38	1.02	2009	0	-		
5	.08	.42	19.09	36.19	1.33	1963	0	-	.08	.39	15.34	29.46	1.07	1948	0	-		
6	.09	.51	19.18	36.28	1.06	1963	0	-	.08	.47	15.42	29.54	.80	1963	0	-		
7	.09	.60	19.27	36.37	.91	1885	0	-	.07	.54	15.49	29.61	.81	1991	0	-		
8	.08	.68	19.35	36.45	.61	1970	0	-	.08	.62	15.57	29.69	.51	1970	0	-		
9	.08	.76	19.43	36.53	.80	2005	0	-	.08	.70	15.65	29.77	.68	2005	0	-		
10	.08	.84	19.51	36.61	.71	2005	0	-	.08	.78	15.73	29.85	.42	2000	0	-		
11	.08	.92	19.59	36.69	.51	1899	0	-	.08	.86	15.81	29.93	.39	2015	0	-		
12	.08	1.00	19.67	36.77	.52	1880	0	-	.07	.93	15.88	30.00	.49	1988	0	-		
13	.08	1.08	19.75	36.85	.94	1978	0	-	.08	1.01	15.96	30.08	1.08	1978	0	-		
14	.08	1.16	19.83	36.93	.86	1978	0	-	.08	1.09	16.04	30.16	.70	1959	0	-		
15	.08	1.24	19.91	37.01	1.65	1908	0	-	.08	1.17	16.12	30.24	.75	2011	0	-		
16	.07	1.31	19.98	37.08	.91	1972	0	-	.07	1.24	16.19	30.31	1.34	1945	0	-		
17	.08	1.39	20.06	37.16	1.41	1991	0	-	.08	1.32	16.27	30.39	1.20	1991	0	-		
18	.08	1.47	20.14	37.24	.96	2014	0	-	.08	1.40	16.35	30.47	1.06	2014	0	-		
19	.08	1.55	20.22	37.32	1.36	1879	0	-	.07	1.47	16.42	30.54	1.47	1968	0	-		
20	.08	1.63	20.30	37.40	.75	1879	0	-	.08	1.55	16.50	30.62	.68	1998	0	-		
21	.08	1.71	20.38	37.48	.55	2013	0	-	.08	1.63	16.58	30.70	.74	2006	0	-		
22	.08	1.79	20.46	37.56	1.00	2013	0	-	.08	1.71	16.66	30.78	1.19	2013	0	-		
23	.09	1.88	20.55	37.65	1.28	2013	0	-	.08	1.79	16.74	30.86	.96	1997	0	-		
24	.08	1.96	20.63	37.73	1.01	1911	0	-	.09	1.88	16.83	30.95	.96	2008	0	-		
25	.09	2.05	20.72	37.82	.72	1900	0	-	.08	1.96	16.91	31.03	.63	1989	0	-		
26	.08	2.13	20.80	37.90	.66	1879	0	-	.09	2.05	17.00	31.12	1.03	2012	0	-		
27	.09	2.22	20.89	37.99	.65	2013	0	-	.08	2.13	17.08	31.20	.88	2013	0	-		
28	.08	2.30	20.97	38.07	.68	1895	0	-	.09	2.22	17.17	31.29	.80	1985	0	-		
29	.09	2.39	21.06	38.16	.58	1954	0	-	.08	2.30	17.25	31.37	.57	1996	0	-		
30	.08	2.47	21.14	38.24	.58	1943	0	-	.09	2.39	17.34	31.46	.58	1943	0	-		
31	.08	2.55	21.22	38.32	1.50	1997	0	-	.08	2.47	17.42	31.54	1.45	1997	0	-		
	Downtown				Rain	Snow	Airport				Rain	Snow	Amt	Year	Amt	Year		
	Month: Normal Total <sup>1</sup>				2.55"	0"	Month: Normal Total <sup>1</sup>				2.47"	0"						
	Month: Extreme Most				6.60	1879	0	-	Month: Extreme Most				5.55	1998	0	-		
	Month: Extreme Least				0.13	1992	0	-	Month: Extreme Least				0.10	1992	0	-		
	Calendar day: most Rain				1.65" on 15 May 1908				Calendar day: most Rain				1.47" on 19 May 1968					
	Calendar day: most Snow				never snowed in May				Calendar day: most Snow				never snowed in May					
									Any 24-hrs: most Rain				1.47" on 19 May 1968					
									Any 24-hrs: most Snow				never snowed in May					

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## JUNE: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019				Airport Portland 1941-2019											
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall			
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY
1	.08	.08	21.30	38.40	.88	1968	0	-	.08	.08	17.50	31.62	.97	1968	0	-
2	.08	.16	21.38	38.48	.92	2010	0	-	.08	.16	17.58	31.70	.67	2010	0	-
3	.07	.23	21.45	38.55	.85	1894	0	-	.07	.23	17.65	31.77	.71	2008	0	-
4	.07	.30	21.52	38.62	1.13	1984	0	-	.08	.31	17.73	31.85	.79	1984	0	-
5	.07	.37	21.59	38.69	.51	1929	0	-	.07	.38	17.80	31.92	.46	1942	0	-
6	.07	.44	21.66	38.76	1.60	2010	0	-	.08	.46	17.88	32.00	1.70	1958	0	-
7	.08	.52	21.74	38.84	2.03	1927	0	-	.07	.53	17.95	32.07	1.02	1981	0	-
8	.06	.58	21.80	38.90	1.92	1933	0	-	.07	.60	18.02	32.14	.63	2012	0	-
9	.07	.65	21.87	38.97	.74	1888	0	-	.07	.67	18.09	32.21	.72	1950	0	-
10	.07	.72	21.94	39.04	.66	1948	0	-	.07	.74	18.16	32.28	.66	1948	0	-
11	.06	.78	22.00	39.10	.89	1910	0	-	.06	.80	18.22	32.34	.47	1952	0	-
12	.07	.85	22.07	39.17	.54	1891	0	-	.07	.87	18.29	32.41	.50	1982	0	-
13	.06	.91	22.13	39.23	1.18	1980	0	-	.06	.93	18.35	32.47	.89	1980	0	-
14	.06	.97	22.19	39.29	.88	1888	0	-	.06	.99	18.41	32.53	.55	1978	0	-
15	.06	1.03	22.25	39.35	1.03	1906	0	-	.06	1.05	18.47	32.59	.56	1954	0	-
16	.06	1.09	22.31	39.41	.68	1875	0	-	.05	1.10	18.52	32.64	.62	2005	0	-
17	.05	1.14	22.36	39.46	1.85	1873	0	-	.06	1.16	18.58	32.70	.58	1943	0	-
18	.06	1.20	22.42	39.52	.54	1921	0	-	.06	1.22	18.64	32.76	.54	1995	0	-
19	.05	1.25	22.47	39.57	.85	1913	0	-	.05	1.27	18.69	32.81	.96	2009	0	-
20	.05	1.30	22.52	39.62	1.65	1991	0	-	.05	1.32	18.74	32.86	1.46	1984	0	-
21	.05	1.35	22.57	39.67	.59	1931	0	-	.04	1.36	18.78	32.90	.44	1967	0	-
22	.04	1.39	22.61	39.71	.82	1913	0	-	.05	1.41	18.83	32.95	.47	1993	0	-
23	.04	1.43	22.65	39.75	1.08	1969	0	-	.04	1.45	18.87	32.99	.87	1969	0	-
24	.04	1.47	22.69	39.79	.93	1876	0	-	.04	1.49	18.91	33.03	.82	1971	0	-
25	.04	1.51	22.73	39.83	.53	1998	0	-	.03	1.52	18.94	33.06	.29	1973	0	-
26	.04	1.55	22.77	39.87	.62	1912	0	-	.04	1.56	18.98	33.09	.58	1969	0	-
27	.04	1.59	22.81	39.91	.75	1903	0	-	.04	1.60	19.02	33.14	.51	2014	0	-
28	.03	1.62	22.84	39.94	.88	2002	0	-	.03	1.63	19.05	33.17	.91	2002	0	-
29	.04	1.66	22.88	39.98	.64	1984	0	-	.04	1.67	19.09	33.21	.40	1992	0	-
30	.03	1.69	22.91	40.01	.59	1872	0	-	.03	1.70	19.12	33.24	.81	1954	0	-
	<b>Downtown</b>				<b>Rain</b>		<b>Snow</b>		<b>Airport</b>				<b>Rain</b>		<b>Snow</b>	
	Month: Normal Total <sup>1</sup>				1.69"		0"		Month: Normal Total <sup>1</sup>				1.70"		0"	
	Month: Extreme Most				5.38	1888	0	-	Month: Extreme Most				4.27	2010	0	-
	Month: Extreme Least				0.03	1951	0	-	Month: Extreme Least				0.03	1951	0	-
	Calendar day: most Rain				2.03" on 7 Jun 1927				Calendar day: most Rain				1.70" on 6 Jun 1958			
	Calendar day: most Snow				never snowed in June				Calendar day: most Snow				never snowed in June			
													Any 24-hrs: most Rain			
													1.82" on 5-6 Jun 958			
													Any 24-hrs: most Snow			
													never snowed in June			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## JULY: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019								Airport Portland 1941-2019																							
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall																			
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year	Amt	Year	Amt	Year												
1	.03	.03	22.49	40.04	.42	1966	0	-	.03	.03	19.15	33.27	.54	2019	0	-	.03	.03	19.15	33.27												
2	.03	.06	22.97	40.07	1.01	1902	0	-	.03	.06	19.18	33.30	.81	1966	0	-	.03	.06	19.18	33.30												
3	.03	.09	23.00	40.10	.92	1927	0	-	.03	.09	19.21	33.33	.26	2008	0	-	.03	.09	19.21	33.33												
4	.02	.11	23.02	40.12	.44	1986	0	-	.03	.12	19.24	33.36	.21	1998	0	-	.03	.12	19.24	33.36												
5	.03	.14	23.05	40.15	.80	1923	0	-	.03	.15	19.27	33.39	.48	1992	0	-	.03	.15	19.27	33.39												
6	.02	.16	23.07	40.17	.82	1923	0	-	.03	.18	19.30	33.42	.20	1963	0	-	.03	.18	19.30	33.42												
7	.03	.19	23.10	40.20	.50	1923	0	-	.02	.20	19.32	33.44	.45	1976	0	-	.02	.20	19.32	33.44												
8	.02	.21	23.12	40.22	1.27	1974	0	-	.03	.23	19.35	33.47	.89	1946	0	-	.03	.23	19.35	33.47												
9	.03	.24	23.15	40.25	.80	1995	0	-	.02	.25	19.37	33.49	1.06	1995	0	-	.02	.25	19.37	33.49												
10	.02	.26	23.17	40.27	.90	1986	0	-	.03	.28	19.40	33.52	.63	1986	0	-	.03	.28	19.40	33.52												
11	.02	.28	23.19	40.29	1.10	1879	0	-	.02	.30	19.42	33.54	.32	1988	0	-	.02	.30	19.42	33.54												
12	.02	.30	23.21	40.31	.76	1920	0	-	.02	.32	19.44	33.56	.45	2006	0	-	.02	.32	19.44	33.56												
13	.02	.32	23.23	40.33	.70	1873	0	-	.02	.34	19.46	33.58	.15	1957	0	-	.02	.34	19.46	33.58												
14	.02	.34	23.25	40.35	.54	1964	0	-	.02	.36	19.48	33.60	.50	1942	0	-	.02	.36	19.48	33.60												
15	.02	.36	23.27	40.37	.44	1916	0	-	.02	.38	19.50	33.62	.80	1978	0	-	.02	.38	19.50	33.62												
16	.01	.37	23.28	40.38	.86	1978	0	-	.02	.40	19.52	33.64	.81	1989	0	-	.02	.40	19.52	33.64												
17	.02	.39	23.30	40.40	.82	2011	0	-	.02	.42	19.54	33.67	.67	2011	0	-	.02	.42	19.54	33.67												
18	.02	.41	23.32	40.42	1.05	1987	0	-	.02	.44	19.56	33.68	.63	1987	0	-	.02	.44	19.56	33.68												
19	.01	.42	23.33	40.43	1.00	1983	0	-	.02	.46	19.58	33.70	.89	1983	0	-	.02	.46	19.58	33.70												
20	.02	.44	23.35	40.45	.21	1993	0	-	.02	.48	19.60	33.72	.84	1954	0	-	.02	.48	19.60	33.72												
21	.01	.45	23.36	40.46	.59	1945	0	-	.01	.49	19.61	33.73	.51	1945	0	-	.01	.49	19.61	33.73												
22	.02	.47	23.38	40.48	.50	2014	0	-	.02	.51	19.63	33.75	.41	2014	0	-	.02	.51	19.63	33.75												
23	.01	.48	23.39	40.49	.83	1918	0	-	.02	.53	19.65	33.77	.62	2014	0	-	.02	.53	19.65	33.77												
24	.02	.50	23.41	40.51	.46	1949	0	-	.01	.54	19.66	33.78	.51	1949	0	-	.01	.54	19.66	33.78												
25	.01	.51	23.42	40.52	.77	1909	0	-	.02	.56	19.68	33.80	.42	1983	0	-	.02	.56	19.68	33.80												
26	.01	.52	23.43	40.53	.65	1947	0	-	.01	.57	19.69	33.81	.52	1947	0	-	.01	.57	19.69	33.81												
27	.02	.54	23.45	40.55	.37	1947	0	-	.02	.59	19.71	33.83	.25	1947	0	-	.02	.59	19.71	33.83												
28	.01	.55	23.46	40.56	.34	1975	0	-	.01	.60	19.72	33.84	.36	1993	0	-	.01	.60	19.72	33.84												
29	.01	.56	23.47	40.57	.45	1881	0	-	.02	.62	19.74	33.86	.17	2001	0	-	.02	.62	19.74	33.86												
30	.02	.58	23.49	40.59	.42	1982	0	-	.01	.63	19.75	33.87	.52	1982	0	-	.01	.63	19.75	33.87												
31	.01	.59	23.50	40.60	.28	1989	0	-	.02	.65	19.77	33.89	.38	1985	0	-	.02	.65	19.77	33.89												
	Downtown				Rain 0.59"		Snow 0"		Airport				Rain 0.65"		Snow 0"																	
	Month: Normal Total <sup>1</sup>				Month: Normal Total <sup>1</sup>		Month: Extreme Most		Month: Normal Total <sup>1</sup>				Month: Extreme Most		Month: Extreme Least		Month: Normal Total <sup>1</sup>															
	Month: Extreme Most				2.94		1983		Month: Extreme Most				2.68		1983		Month: Extreme Least															
	Month: Extreme Least				0.00		2017 <sup>2</sup>		Month: Extreme Least				0.00		1967		Calendar day: most Rain															
	Calendar day: most Rain				1.27" on 8 Jul 1974								1.06" on 9 Jul 1995																			
	Calendar day: most Snow				never snowed in July								never snowed in July																			
													Any 24-hrs: most Rain																			
													1.09" on 15-16 Jul 1978																			
													Any 24-hrs: most Snow																			
													never snowed in July																			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## AUGUST: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019				Airport Portland 1941-2019											
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall			
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY
1	.02	.02	23.52	40.62	.63	1896	0	-	.01	.01	19.78	33.90	.39	1989	0	-
2	.01	.03	23.53	40.63	.52	1956	0	-	.02	.03	19.80	33.92	.54	1956	0	-
3	.02	.05	23.55	40.65	.52	1877	0	-	.01	.04	19.81	33.93	.41	1962	0	-
4	.01	.06	23.56	40.66	.47	1933	0	-	.01	.05	19.82	33.94	.05	1943	0	-
5	.02	.08	23.58	40.68	.35	1874	0	-	.02	.07	19.84	33.96	.26	1943	0	-
6	.01	.09	23.59	40.69	.45	1976	0	-	.01	.08	19.85	33.97	.94	1976	0	-
7	.02	.11	23.61	40.71	.46	1962	0	-	.01	.09	19.86	33.98	.63	1976	0	-
8	.02	.13	23.63	40.73	1.25	1900	0	-	.02	.11	19.88	34.00	.08	2016	0	-
9	.02	.15	23.65	40.75	.51	1982	0	-	.02	.13	19.90	34.02	.41	1982	0	-
10	.02	.17	23.67	40.77	.46	1922	0	-	.02	.15	19.92	34.04	.80	2019	0	-
11	.02	.19	23.69	40.79	.40	1922	0	-	.02	.17	19.94	34.06	.39	2009	0	-
12	.02	.21	23.71	40.81	.73	1908	0	-	.01	.18	19.95	34.08	.38	1978	0	-
13	.02	.23	23.73	40.83	.68	1881	0	-	.02	.20	19.97	34.10	.34	1987	0	-
14	.02	.25	23.75	40.85	.37	1881	0	-	.02	.22	19.99	34.12	.26	1948	0	-
15	.03	.28	23.78	40.88	.82	1976	0	-	.02	.24	20.01	34.14	.73	1976	0	-
16	.02	.30	23.80	40.90	.83	1912	0	-	.02	.26	20.03	34.16	.46	1972	0	-
17	.03	.33	23.83	40.93	.90	1948	0	-	.03	.29	20.06	34.19	.90	1948	0	-
18	.02	.35	23.85	40.95	.62	1968	0	-	.02	.31	20.08	34.21	.45	1968	0	-
19	.03	.38	23.88	40.98	.47	1954	0	-	.02	.33	20.10	34.23	1.20	1968	0	-
20	.02	.40	23.90	41.00	.77	1997	0	-	.03	.36	20.13	34.25	.55	1997	0	-
21	.03	.43	23.93	41.03	.40	1879	0	-	.02	.38	20.15	34.27	.54	2004	0	-
22	.02	.45	23.95	41.05	.90	2004	0	-	.03	.41	20.18	34.30	.87	2004	0	-
23	.03	.48	23.98	41.08	1.15	1977	0	-	.02	.43	20.20	34.32	1.20	1977	0	-
24	.02	.50	24.00	41.10	1.34	1973	0	-	.03	.46	20.23	34.35	.89	1973	0	-
25	.03	.53	24.03	41.13	1.36	1977	0	-	.03	.49	20.26	34.38	1.47	1977	0	-
26	.02	.55	24.05	41.15	.87	1953	0	-	.02	.51	20.28	34.40	.44	1953	0	-
27	.03	.58	24.08	41.18	.72	1966	0	-	.03	.54	20.31	34.43	.42	1975	0	-
28	.03	.61	24.11	41.21	.73	1880	0	-	.03	.57	20.34	34.46	.61	1983	0	-
29	.03	.64	24.14	41.24	1.13	1983	0	-	.03	.60	20.37	34.49	1.13	1983	0	-
30	.02	.68	24.18	41.28	.75	1954	0	-	.04	.64	20.41	34.53	.64	1954	0	-
31	.03	.71	24.21	41.31	.94	1939	0	-	.03	.67	20.44	34.56	.52	1961	0	-
	Downtown				Rain		Snow		Airport				Rain		Snow	
	Month: Normal Total <sup>1</sup>				0.71"		0"		Month: Normal Total <sup>1</sup>				0.67"		0"	
	Month: Extreme Most				4.25	1968	0	-	Month: Extreme Most				4.53	1968	0	-
	Month: Extreme Least				0.00	1885	0	-	Month: Extreme Least				T	2012 <sup>2</sup>	0	-
	Calendar day: most Rain				1.36" on 25 Aug 1977				Calendar day: most Rain				1.47" on 25 Aug 1977			
	Calendar day: most Snow				never snowed in Aug				Calendar day: most Snow				never snowed in Aug			
									Any 24-hrs: most Rain				1.54" on 25-26 Aug 1977			
									Any 24-hrs: most Snow				never snowed in Aug			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## SEPTEMBER: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019				Airport Portland 1941-2019											
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall			
	DY	MO	YR	WY	Amt	Year	Amt	Year	DY	MO	YR	WY	Amt	Year	Amt	Year
1	.03	.03	24.24	41.34	1.52	1971	0	-	.03	.03	20.47	34.59	1.48	1971	0	-
2	.04	.07	24.28	41.38	.71	1913	0	-	.04	.07	20.51	34.63	.86	1979	0	-
3	.04	.11	24.32	41.42	1.22	1945	0	-	.03	.10	20.54	34.66	1.18	1945	0	-
4	.04	.15	24.36	41.46	1.68	1911	0	-	.04	.14	20.58	34.70	1.00	1959	0	-
5	.04	.19	24.40	41.50	1.24	1911	0	-	.04	.18	20.62	34.74	.75	2009	0	-
6	.04	.23	24.44	41.54	.96	2013	0	-	.05	.23	20.67	34.79	.99	2013	0	-
7	.04	.27	24.48	41.58	.86	2010	0	-	.04	.27	20.71	34.83	1.55	2010	0	-
8	.04	.31	24.52	41.62	.49	1893	0	-	.04	.31	20.75	34.87	.27	1952	0	-
9	.04	.35	24.56	41.66	.75	1874	0	-	.04	.35	20.79	34.91	.84	1972	0	-
10	.05	.40	24.61	41.71	1.04	1985	0	-	.04	.39	20.83	34.95	1.18	1985	0	-
11	.04	.44	24.65	41.75	.79	1882	0	-	.05	.44	20.88	35.00	.44	1966	0	-
12	.05	.49	24.70	41.80	.72	1905	0	-	.04	.48	20.92	35.04	.82	2018	0	-
13	.05	.54	24.75	41.85	.82	1920	0	-	.04	.52	20.96	35.08	.50	1955	0	-
14	.04	.58	24.79	41.89	1.15	1996	0	-	.05	.57	21.01	35.13	2.03	1996	0	-
15	.05	.63	24.84	41.94	1.48	1996	0	-	.04	.61	21.05	35.17	.78	2019	0	-
16	.05	.68	24.89	41.99	1.03	1926	0	-	.05	.66	21.10	35.22	.36	2002	0	-
17	.05	.73	24.94	42.04	2.41	1969	0	-	.05	.71	21.15	35.27	2.23	1969	0	-
18	.06	.79	25.00	42.10	1.65	1921	0	-	.05	.76	21.20	35.32	.97	2010	0	-
19	.05	.84	25.05	42.15	.96	1988	0	-	.05	.81	21.25	35.39	.97	1988	0	-
20	.06	.90	25.11	42.21	1.44	2017	0	-	.06	.87	21.31	35.43	1.56	1982	0	-
21	.06	.96	25.17	42.27	1.27	1898	0	-	.05	.92	21.36	35.48	.76	1972	0	-
22	.06	1.02	25.23	42.33	1.07	1872	0	-	.06	.98	21.42	35.54	.73	1948	0	-
23	.06	1.08	25.29	42.39	.97	1948	0	-	.06	1.04	21.48	35.60	.86	1986	0	-
24	.06	1.14	25.35	42.45	.97	1973	0	-	.05	1.09	21.53	35.65	.74	1950	0	-
25	.07	1.21	25.42	42.52	1.07	1877	0	-	.06	1.15	21.59	35.71	1.48	1986	0	-
26	.06	1.27	25.48	42.58	1.14	1940	0	-	.07	1.22	21.66	35.78	1.11	1948	0	-
27	.07	1.34	25.55	42.65	1.45	1955	0	-	.06	1.28	21.72	35.84	1.30	1955	0	-
28	.07	1.41	25.62	42.72	1.75	1927	0	-	.06	1.34	21.78	35.90	1.25	2013	0	-
29	.07	1.48	25.69	42.79	1.52	2013	0	-	.07	1.41	21.85	35.97	1.44	2013	0	-
30	.06	1.54	25.75	42.85	1.35	1953	0	-	.06	1.47	21.91	36.03	1.68	2005	0	-
	<b>Downtown</b>				<b>Rain</b>		<b>Snow</b>		<b>Airport</b>				<b>Rain</b>		<b>Snow</b>	
	Month: Normal Total <sup>1</sup>				1.54"		0"		Month: Normal Total <sup>1</sup>				1.47"		0"	
	Month: Extreme Most				6.85	2013	0	-	Month: Extreme Most				5.62	2013	0	-
	Month: Extreme Least				T	1993 <sup>2</sup>	0	-	Month: Extreme Least				T	1993 <sup>2</sup>	0	-
	Calendar day: most Rain				2.41" on 17 Sep 1969				Calendar day: most Rain				2.23" on 17 Sep 1969			
	Calendar day: most Snow				never snowed in Sept				Calendar day: most Snow				never snowed in Sept			
									Any 24-hrs: most Rain				2.38" on 19-20 Sep 1982			
									Any 24-hrs: most Snow				never snowed in Sept			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## OCTOBER: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019								Airport Portland 1940-2019											
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall							
	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year	Amt	MO	YR	WY	Rain	Snow	Amt	Year		
1	.07	.07	25.82	.07	1.35	1997	0	-	.06	.06	21.97	.06	.98	1997	0	-				
2	.07	.14	25.89	.14	.68	1910	0	-	.07	.13	22.04	.13	.79	1957	0	-				
3	.07	.21	25.96	.21	1.11	1905	0	-	.06	.19	22.10	.19	.69	1967	0	-				
4	.06	.27	26.02	.27	1.22	1949	0	-	.07	.26	22.17	.26	1.00	1949	0	-				
5	.07	.34	26.09	.34	1.11	1950	0	-	.07	.32	22.23	.32	.80	1950	0	-				
6	.07	.41	26.16	.41	1.73	1981	0	-	.07	.39	22.30	.39	1.24	1981	0	-				
7	.07	.48	26.23	.48	1.78	1893	0	-	.07	.46	22.37	.46	.79	1962	0	-				
8	.08	.56	26.31	.56	1.32	1873	0	-	.07	.53	22.44	.53	.87	1955	0	-				
9	.08	.64	26.39	.64	1.82	1955	0	-	.07	.60	22.51	.60	1.66	1955	0	-				
10	.07	.71	26.46	.71	2.93	1882	0	-	.07	.67	22.58	.67	1.65	1959	0	-				
11	.08	.79	26.54	.79	1.52	1995	0	-	.08	.75	22.66	.75	.82	1968	0	-				
12	.09	.88	26.63	.88	2.31	1882	0	-	.08	.83	22.74	.83	1.11	2012	0	-				
13	.09	.97	26.72	.97	1.77	2016	0	-	.08	.91	22.82	.91	1.99	2016	0	-				
14	.10	1.07	26.82	1.07	1.65	1908	0	-	.09	1.00	22.91	1.00	.51	1951	0	-				
15	.10	1.17	26.92	1.17	1.37	1906	0	-	.09	1.09	23.00	1.09	1.06	1947	0	-				
16	.11	1.28	27.03	1.28	1.19	1918	0	-	.09	1.18	23.09	1.18	.76	1956	0	-				
17	.11	1.39	27.14	1.39	2.11	1876	0	-	.10	1.28	23.19	1.28	.77	1947	0	-				
18	.13	1.52	27.27	1.52	1.57	1882	0	-	.10	1.38	23.29	1.38	1.40	1979	0	-				
19	.12	1.64	27.39	1.64	1.40	1947	0	-	.11	1.49	23.40	1.49	1.32	1947	0	-				
20	.13	1.77	27.52	1.77	1.15	1956	0	-	.11	1.60	23.51	1.60	.99	1956	0	-				
21	.14	1.91	27.66	1.91	1.64	1876	0	-	.11	1.71	23.62	1.71	2.13	2017	0	-				
22	.13	2.04	27.79	2.04	1.88	2014	0	-	.11	1.82	23.73	1.82	1.88	2014	0	-				
23	.14	2.18	27.93	2.18	1.12	1943	0	-	.12	1.94	23.85	1.94	.79	1951	0	-				
24	.14	2.32	28.07	2.32	1.57	2010	0	-	.13	2.07	23.98	2.07	1.31	1943	0	-				
25	.15	2.47	28.22	2.47	1.79	1922	0	-	.12	2.19	24.10	2.19	1.10	1955	0	-				
26	.14	2.61	28.36	2.61	2.10	1994	0	-	.12	2.31	24.22	2.31	2.33	1994	0	-				
27	.15	2.76	28.51	2.76	3.20	1994	0	-	.13	2.44	24.35	2.44	2.44	1994	0	-				
28	.16	2.92	28.67	2.92	1.58	1933	0	-	.13	2.57	24.48	2.57	1.62	1982	0	-				
29	.16	3.08	28.83	3.08	1.41	1982	0.6	1935	.14	2.71	24.62	2.71	1.14	1997	0	-				
30	.17	3.25	29.00	3.25	1.16	1875	T	1935	.15	2.86	24.77	2.86	1.20	1997	0	-				
31	.17	3.42	29.17	3.42	2.68	1994	T	1935	.14	3.00	24.91	3.00	2.44	1994	0	-				
	Downtown				Rain		Snow		Airport				Rain		Snow					
	Month: Normal Total <sup>1</sup>				3.42"		0"		Month: Normal Total <sup>1</sup>				3.00"		0"					
	Month: Extreme Most				11.63		1882		Month: Extreme Most				8.41		1994					
	Month: Extreme Least				T		1895		Month: Extreme Least				0.19		1988					
	Calendar day: most Rain				3.20" on 27 Oct 1994				Calendar day: most Rain				2.44" on 27 & 31 Oct 1994							
	Calendar day: most Snow				0.6" on 29 Oct 1935				Calendar day: most Snow				Trace on 31 Oct 1955							
									Any 24-hrs: most Rain				4.44" on 26-27 Oct 1994							
									Any 24-hrs: most Snow				no snow recorded							

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## NOVEMBER: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019				Airport Portland 1940-2019											
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall			
	DY	MO	YR	WY	Rain	Snow	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year
1	.17	.17	29.34	3.59	1.35	2005	0	-	.15	.15	25.06	3.15	1.31	1984	0	-
2	.17	.34	29.51	3.76	1.67	1902	T	2003	.15	.30	25.21	3.30	1.33	1984	0	-
3	.19	.53	29.70	3.95	2.22	1983	0	-	.16	.46	25.37	3.46	1.88	1983	T	1973
4	.19	.72	29.89	4.14	1.95	1969	T	2003	.16	.62	25.53	3.62	1.87	1969	0	-
5	.20	.92	30.09	4.34	1.62	1877	0	-	.17	.79	25.70	3.79	1.12	2006	T	1973
6	.20	1.12	30.29	4.54	4.84	2006	0	-	.17	.96	25.87	3.96	2.53	2006	T	1973
7	.21	1.33	30.50	4.75	3.10	1885	T	1945	.18	1.14	26.05	4.14	1.07	2009	0	-
8	.21	1.54	30.71	4.96	2.05	1937	0	-	.18	1.32	26.23	4.32	1.38	1968	0	-
9	.22	1.76	30.93	5.18	1.80	1928	T	1911	.18	1.50	26.41	4.50	1.40	1973	0	-
10	.22	1.98	31.15	5.40	1.52	1962	2.0	1911	.19	1.69	26.60	4.69	1.30	1962	0	-
11	.22	2.20	31.37	5.62	2.01	1995	1.4	1955	.19	1.88	26.79	4.88	2.01	1995	1.1	1955
12	.22	2.42	31.59	5.84	1.54	2008	T	1955	.18	2.06	26.97	5.06	.94	2008	T	1955
13	.22	2.64	31.81	6.06	1.53	1990	0	-	.19	2.25	27.16	5.25	1.37	1941	T	1955
14	.22	2.96	32.03	6.28	2.18	1876	0	-	.19	2.44	27.35	5.44	1.28	1948	T	1980
15	.22	3.08	32.25	6.50	2.95	1950	0	-	.19	2.63	27.54	5.63	2.43	1950	0.2	1955
16	.22	3.30	32.47	6.72	1.42	1950	1.0	1955	.19	2.82	27.73	5.82	1.13	1953	2.4	1955
17	.22	3.52	32.69	6.94	1.91	1875	1.3	1955	.19	3.01	27.92	6.01	1.46	1946	4.5	1955
18	.23	3.75	32.92	7.17	1.95	1946	2.7	1955	.20	3.21	28.12	6.21	1.99	1946	0.2	1977
19	.23	3.98	33.15	7.40	3.20	1996	3.0	1897	.20	3.41	28.32	6.41	2.69	1996	3.0	1978
20	.23	4.21	33.38	7.63	3.41	1921	1.0	1900	.19	3.60	28.51	6.60	1.50	1962	0.5	1946
21	.24	4.45	33.62	7.87	1.58	1992	0	-	.20	3.80	28.71	6.80	1.57	1992	1.1	1985
22	.24	4.69	33.86	8.11	2.62	2011	7.0	1977	.20	4.00	28.91	7.00	2.35	2011	7.0	1977
23	.24	4.93	34.10	8.35	2.69	1874	0.1	1970	.20	4.20	29.11	7.20	1.80	1942	T	2010
24	.25	5.18	34.35	8.60	2.64	1960	2.0	1887	.19	4.39	29.30	7.39	2.31	1960	T	2010
25	.25	5.43	34.60	8.85	2.07	1998	0	-	.21	4.60	29.51	7.60	2.11	1998	T	1985
26	.26	5.69	34.86	9.11	3.60	1883	0.3	1898	.20	4.80	29.71	7.80	2.26	1945	0.1	1985
27	.26	5.95	35.12	9.37	1.91	1984	T	1993	.21	5.01	29.92	8.01	1.97	1984	T	1985
28	.25	6.20	35.37	9.62	1.65	2001	T	2007	.20	5.21	30.12	8.21	1.41	2001	T	1975
29	.27	6.47	35.64	9.89	3.05	1875	0	-	.21	5.42	30.33	8.42	.67	1942	T	1975
30	.27	6.74	35.91	10.16	1.70	1994	T	2019	.21	5.63	30.54	8.63	1.63	1994	1.3	1985
	Downtown				Rain	Snow	Airport				Rain	Snow				
	Month: Normal Total <sup>1</sup>				6.74"	T	Month: Normal Total <sup>1</sup>				5.63"	0.2"				
	Month: Extreme Most				15.77	1875	7.0	1977	Month: Extreme Most				11.92	2006	8.2	1955
	Month: Extreme Least				0.36	1936	0	2018 <sup>2</sup>	Month: Extreme Least				0.77	1976	0	2018 <sup>2</sup>
	Calendar day: most Rain				4.84" on 6 Nov 2006				Calendar day: most Rain				2.69" on 19 Nov 1996			
	Calendar day: most Snow				7.0" on 22 Nov 1977				Calendar day: most Snow				7.0" on 22 Nov 1977			
									Any 24-hrs: most Rain				4.10" on 18-19 Nov 1996			
									Any 24-hrs: most Snow				7.4" on 21-22 Nov 1977			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a - (dash) in year.

## DECEMBER: Daily Precipitation Normals & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	Downtown Portland 1872-2019								Airport Portland 1940-2019							
	Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall				Normals <sup>1</sup> & Cumulative Totals				Daily Record Rainfall & Snowfall			
	DY	MO	YR	WY	Rain	Snow	Amt	Year	Amt	Year	Rain	Snow	Amt	Year	Amt	Year
1	.27	.27	36.18	10.43	1.58	1987	T	2007	.21	.21	30.75	8.84	1.69	1987	1.6	1985
2	.26	.53	36.44	10.69	1.87	2007	T	1994	.20	.41	30.95	9.04	2.08	1980	1.0	1983
3	.27	.80	36.71	10.96	3.08	2007	T	1994	.20	.61	31.15	9.24	1.69	1980	T	1972
4	.25	1.05	36.96	11.21	2.25	1966	2.1	1909	.20	.81	31.35	9.44	1.56	1966	T	2016
5	.24	1.29	37.20	11.45	2.27	1933	1.7	1909	.19	1.00	31.54	9.63	1.80	1981	1.5	1972
6	.25	1.54	37.45	11.70	2.43	1923	2.0	1942	.19	1.19	31.73	9.82	1.12	1991	2.0	1942
7	.24	1.78	37.69	11.94	2.81	2015	5.0	1909	.19	1.38	31.92	10.01	2.67	2015	1.8	1956
8	.24	2.02	37.93	12.18	2.12	1929	3.2	1992	.18	1.56	32.10	10.19	1.66	2015	1.5	1971
9	.22	2.24	38.15	12.40	2.25	1877	4.0	1919	.18	1.74	32.28	10.37	1.42	2010	T	2013
10	.23	2.47	38.38	12.63	2.00	1995	13.5	1919	.18	1.92	32.46	10.55	1.43	1992	T	2013
11	.22	2.69	38.60	12.85	1.71	1946	2.8	1972	.17	2.09	32.63	10.72	1.30	2010	3.8	1972
12	.22	2.91	38.82	13.07	4.07	1882	0.8	1972	.18	2.27	32.81	10.90	.93	1973	0.8	1972
13	.23	3.14	39.05	13.30	6.68	1882	2.5	1926	.17	2.44	32.98	11.07	1.84	1977	0.7	1961
14	.22	3.36	39.27	13.52	1.56	1946	3.7	1922	.18	2.62	33.16	11.25	1.35	1946	2.3	2016
15	.22	3.58	39.49	13.74	1.61	1982	3.0	1924	.18	2.80	33.34	11.43	1.84	1982	T	2016
16	.23	3.81	39.72	13.97	1.33	1997	12.4	1884	.17	2.97	33.51	11.60	1.19	1994	1.5	1987
17	.22	4.03	39.94	14.19	2.42	2015	6.0	1884	.17	3.14	33.68	11.77	1.87	2015	0.4	1984
18	.22	4.25	40.16	14.41	1.66	1932	3.9	1884	.18	3.32	33.86	11.95	1.01	1941	2.7	1964
19	.23	4.48	40.39	14.64	2.01	1895	8.3	1964	.17	3.49	34.03	12.12	1.72	1953	8.0	1964
20	.22	4.70	40.61	14.86	2.95	1925	8.0	2008	.18	3.67	34.21	12.30	1.28	1961	7.0	2008
21	.22	4.92	40.83	15.08	2.29	1955	10.0	1892	.17	3.84	34.38	12.47	1.99	1955	3.3	1967
22	.21	5.13	41.04	15.29	2.20	1936	14.0	1892	.17	4.01	34.55	12.64	1.50	1964	3.4	2008
23	.22	5.35	41.26	15.51	2.40	1872	2.5	1892	.17	4.18	34.72	12.81	1.19	1971	0.1	2008
24	.21	5.56	41.47	15.72	1.90	1980	2.0	2008	.17	4.35	34.89	12.98	1.72	1980	3.1	2008
25	.21	5.77	41.68	15.93	1.82	1980	1.3	1937	.17	4.52	35.06	13.15	1.73	1980	0.9	2008
26	.20	5.97	41.88	16.13	3.99	1937	1.2	1884	.17	4.69	35.23	13.32	1.08	1996	0.6	1951
27	.20	6.17	42.08	16.33	2.42	1965	3.0	1889	.16	4.85	35.39	13.48	2.17	1942	0.7	1968
28	.19	6.36	42.27	16.52	3.16	1998	2.0	1968	.17	5.02	35.56	13.65	.94	2005	1.9	1971
29	.20	6.56	42.47	16.72	2.24	1996	3.0	2009	.16	5.18	35.72	13.81	1.66	1983	3.2	1968
30	.19	6.75	42.66	16.91	1.72	2005	3.7	1968	.15	5.33	35.87	13.96	1.50	2002	6.0	1968
31	.19	6.94	42.85	17.10	2.79	1875	6.0	1992	.16	5.49	36.03	14.12	1.32	1996	3.4	1968
	Downtown				Rain		Snow		Airport				Rain		Snow	
	Month: Normal Total <sup>1</sup>				6.94"		1.4"		Month: Normal Total <sup>1</sup>				5.49"		1.5"	
	Month: Extreme Most				20.14	1882	34.1	1884	Month: Extreme Most				15.24	2015	19.0	2008
	Month: Extreme Least				0.88	1876	0	2019 <sup>2</sup>	Month: Extreme Least				1.38	1976	0	2019 <sup>2</sup>
	Calendar day: most Rain				6.68" on 13 Dec 1882				Calendar day: most Rain				2.67" on 7 Dec 2015			
	Calendar day: most Snow				14.0" on 22 Dec 1892				Calendar day: most Snow				8.0" on 19 Dec 1964			
									Any 24-hrs: most Rain				3.22" on 6-7 Dec 2015			
									Any 24-hrs: most Snow				8.0" on 19 Dec 1964			

<sup>1</sup> Normals listed are climatic normal (1981-2010). But snow is calculated using period of record data for each site. Daily and cumulative averages are based on a daily value that is computed from normalizing the monthly total across the days of a month.

<sup>2</sup> Last year of multiple occurrences listed. For snow, if never occurred on that day, will have 0 in amt and a – (dash) in year.